



Recombinant Phenylalanine--tRNA ligase alpha subunit (pheS)

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| Product Code | CSB-YP716786SMZ |
| Abbreviation | pheS |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q5XCX4 |
| Product Type | Recombinant Protein |
| Immunogen Species | Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MDLQAQLEEL KTKTLETLSQ LTGNHTKELQ DLRVAVLGKK GSLTELLKGL KDLSNDLRPV VGKQVNEVRD LLTKAFEEQA KIVEAAKIQA QLDAESIDVT LPGRQMTLGH RHVLTQTSEE IEDIFLGMGF QIVDGFVEVEK DYYNFERMNL PKDHPARDMQ DTFYITEEIL LRTHTSPVQA RTLDQHDFSK GPLKMOVSPGR VFRRTDDAT HSHQFHQIEG LVVGKNISMG DLKGTLEMII KKMFGGEERSI RLRPSYFPFT EPSVEVDVSC FKCGGKGCNV CKKTGWIEIL GAGMVHPSVL EMSGVDAKEY SGFAFGLGQE RIAMLRYGIN DIRGFYQGDQ RFSEQFN |
| Source | Yeast |
| Target Names | pheS |
| Protein Names | Recommended name: Phenylalanine--tRNA ligase alpha subunit EC= 6.1.1.20 Alternative name(s): Phenylalanyl-tRNA synthetase alpha subunit Short name= PheRS |
| Expression Region | 1-347 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |